



ALMA 85 SP

Classification:	High alumina brick
Main raw materials:	Bauxite – Calcined alumina
Refractoriness:	>1800 °C
Type of bond:	Phosphate Bonded
Features and main applications:	Roofs of electric arc furnaces, rolling production lines, floors of aluminum furnaces in the cement industry (especially furnaces where high resistance to wear and corrosion is required).

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	P ₂ O ₅
81-85	8-12	< 2	< 3.5	2-3

Properties

Bulk density (g/cm³)	2.55-2.80
Cold crushing strength (kg/cm²)	800-1100
Apparent porosity (%)	16-22
R.U.L (T0.5)(°C)	≈ 1460
Thermal shock (Cycle in water)	30

ASTM Test Methods, where applicable, used for determination of data.

The above data are typical of the properties of commercial Standard brick.

These data represent average properties obtained from commercial products and should not be considered as guaranteed specifications.

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